

75272

**STIC-Biotech/ChemLib**

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**From:** Brannock, Michael  
**Sent:** Tuesday, September 10, 2002 10:13 AM  
**T :** STIC-Biotech/ChemLib  
**Subject:** 09227854

Please provide a full length and oligo search of SEQ ID NO: 2 against interference databases

Thank You,

Michael T. Brannock, Ph.D.  
Patent Examiner, AU 1646  
Crystal Mall One, 9E13  
(703) 306-5876  
Mail Box in room 10C1

**Point of Contact**  
P. Sheppard  
Telephone number: (703) 308-4499

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: \_\_\_\_\_  
Date Completed: 9/11/02  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

**TYPE OF SEARCH:**  
NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

**VENDOR/COST (where applic.)**  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

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; CURRENT FILING DATE: 2000-09-13
; PRIOR APPLICATION NUMBER: PCT/EP98/07722
; PRIOR FILING DATE: 1998-11-30
; PRIOR APPLICATION NUMBER: DE 198 11 047.2
; PRIOR FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: Angiotropin-related protein
US-09-646-651A-1
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Query Match          68.4%; Score 320; DB 20; Length 91;
Best Local Similarity 68.1%; Pred. No. 7, 3e-28;
Matches 62; Conservative 10; Mismatches 19; Indels 0; Gaps 0;
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OY      2 TKLEHLEGIIVNIFHOYSVRKGFHDTLSKGLKQLTKELANTIKNIKDKAVIDEIFQGL 61
      1 TKLEHLEGIIVNIFHOYSVRKGFHDTLSKGLKQLTKELANTIKNIKDKAVIDEIFQGL 60
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```
OY      62 DANODEQVDFQEFISLVAIALKAHYTHKE 92
Db      61 DANODEQVSFKEFVLVLTVDLITAHNDIHKE 91
```

```
RESULT 15
US-09-167-705-3
; Sequence 3, Application US/09167705B
; GENERAL INFORMATION:
; APPLICANT: Schmidt, Ann Marie
; TITLE OF INVENTION: Extracellular Novel RAGE Binding Protein (EW-RAGE) and
; FILE REFERENCE: 0575/55873
; CURRENT APPLICATION NUMBER: US/09/167,705B
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Human
US-09-167-705-3
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Query Match          66.0%; Score 309; DB 15; Length 90;
Best Local Similarity 65.6%; Pred. No. 1, 2e-26;
Matches 59; Conservative 13; Mismatches 18; Indels 0; Gaps 0;
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OY      2 TKLEHLEGIIVNIFHOYSVRKGFHDTLSKGLKQLTKELANTIKNIKDKAVIDEIFQGL 61
      1 TKLEHLEGIIVNIFHOYSVRKGFHDTLSKGLKQLTKELANTIKNIKDKAVIDEIFQGL 60
```

```
OY      62 DANODEQVDFQEFISLVAIALKAHYTHKE 91
Db      61 DANODEQVSFKEFVLVLTVDLITAHNDIHKE 90
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Search completed: September 11, 2002, 08:34:11  
Job time: 327 sec

; SEQUENCE CHARACTERISTICS:

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; FILE REFERENCE: 206579
; CURRENT APPLICATION NUMBER: US/09/646,651A

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Matches 92: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MTKLEHLEGIYVNFHQYSVRKGHPTLSKGLKOLLTKELANTIKNIKRAVIDEIFOG 60

DB 4 MTKLEHLEGIYVNFHQYSVRKGHPTLSKGLKOLLTKELANTIKNIKRAVIDEIFOG 63

OY 61 LDANODEVDFOEFISLVAIALKAHYHTHKE 92

DB 64 LDANODEVDFOEFISLVAIALKAHYHTHKE 95

## RESULT 8

US-09-760-484-588

Sequence 588, Application US/09760484

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PT243

CURRENT APPLICATION NUMBER: US/09/760,484

CURRENT FILING DATE: 2001-01-16

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 638

SOFTWARE: Patent In Ver. 2.0

SEQ ID NO 588

LENGTH: 95

TYPE: PRT

ORGANISM: Homo sapiens

US-09-760-484-588

Matches 92: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query Match 100.0%; Score 468; DB 21; Length 95;

Best Local Similarity 100.0%; Pred. No. 1.8e-44;

Matches 92: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MTKLEHLEGIYVNFHQYSVRKGHPTLSKGLKOLLTKELANTIKNIKRAVIDEIFOG 60

DB 4 MTKLEHLEGIYVNFHQYSVRKGHPTLSKGLKOLLTKELANTIKNIKRAVIDEIFOG 63

OY 61 LDANODEVDFOEFISLVAIALKAHYHTHKE 92

DB 64 LDANODEVDFOEFISLVAIALKAHYHTHKE 95

## RESULT 9

PCT-US01-08631-57941

Sequence 57941, Application PC/TUS0108631

GENERAL INFORMATION:

APPLICANT: Hyseq, Inc

TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

FILE REFERENCE: 21272-049

CURRENT APPLICATION NUMBER: PCT/US01/08631

CURRENT FILING DATE: 2001-03-30

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 60736

SOFTWARE: Patent In Ver. 2.0

SEQ ID NO 57941

LENGTH: 95

TYPE: PRT

ORGANISM: Homo sapiens

NAME/KEY: DOMAIN

LOCATION: (52)...(89)

OTHER INFORMATION: S-100/ICABP type calcium binding protein domain identified by Pfam,

OTHER INFORMATION: EMATRIX, accession number BL003038, p-value=7.107e-24, raw score

LOCATION: (1)...(95)

OTHER INFORMATION: Xaa = X or \* as defined in Table 2

PCT-US01-08631-57941

Query Match 94.4%; Score 442; DB 1; Length 95;

Best Local Similarity 96.7%; Pred. No. 1.5e-41;

Matches 89: Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 MTKLEHLEGIYVNFHQYSVRKGHPTLSKGLKOLLTKELANTIKNIKRAVIDEIFOG 60

DB 4 MTKLEHLEGIYVNFHQYSVRKGHPTLSKGLKOLLTKELANTIKNIKRAVIDEIFOG 63

OY 61 LDANODEVDFOEFISLVAIALKAHYHTHKE 92

DB 64 LDANODEVDFOEFISLVAIALKAHYHTHKE 95

## RESULT 10

US-09-760-484-450

Sequence 450, Application US/09760484

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PT243

CURRENT APPLICATION NUMBER: US/09/760,484

CURRENT FILING DATE: 2001-01-16

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 638

SOFTWARE: Patent In Ver. 2.0

SEQ ID NO 450

LENGTH: 139

TYPE: PRT

ORGANISM: Homo sapiens

US-09-760-484-450

Query Match 72.9%; Score 341; DB 21; Length 139;

Best Local Similarity 98.5%; Pred. No. 5.8e-30;

Matches 67: Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 3 KLEHLEGIYVNFHQYSVRKGHPTLSKGLKOLLTKELANTIKNIKRAVIDEIFOG 62

DB 28 ELEHLEGIYVNFHQYSVRKGHPTLSKGLKOLLTKELANTIKNIKRAVIDEIFOG 87

OY 63 ANODEVD 70

DB 88 ANODEVD 95

## RESULT 11

US-08-759-913-5

Sequence 5, Application US/08759913

GENERAL INFORMATION:

APPLICANT: Bandman, Olga

TITLE OF INVENTION: NOVEL HUMAN S100 PROTEINS

FILE REFERENCE: 8

CURRENT APPLICATION NUMBER: US/08/759,913

CURRENT FILING DATE: 2000-03-31

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 8

SOFTWARE: Patent In Ver. 2.0

SEQ ID NO 913

LENGTH: 95

TYPE: PRT

ORGANISM: Homo sapiens

NAME/KEY: FASTA

LOCATION: (1)...(95)

```

;
; APPLICANT: NI, Jian
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Alfonso, Pedro
; APPLICANT: Gentz, Reiner
; APPLICANT: Su, Jeffrey S.
; TITLE OF INVENTION: Human Chemotactic Cytokine I
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Ave
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/227,854
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/761,289
; FILING DATE: 06-DEC-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 06/008,378
; FILING DATE: 08-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders.
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PF210D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
; US-09-227-854-2
;
; Query Match 100.0%; Score 468; DB 16; Length 92;
; Best Local Similarity 100.0%; Pred. No. 1.7e-44;
; Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 MTKLEHLEIGIVNIFHOYSVRKGHPDLSKGLKQLTKRELANTIKNIKRAVIDEIFQG 60
; DB 1 MTKLEHLEIGIVNIFHOYSVRKGHPDLSKGLKQLTKRELANTIKNIKRAVIDEIFQG 60
;
; QY 61 LDANODEQVDFQEFISLVATLAKAAHYHTHKE 92
; DB 61 LDANODEQVDFQEFISLVATLAKAAHYHTHKE 92
;
; RESULT 5
; US-09-958-053-24
; Sequence 24, Application US/09958053
; GENERAL INFORMATION:
; APPLICANT: Katus, Hugo A.
; APPLICANT: Remppis, Andrew
; TITLE OF INVENTION: Therapy of cardiac insufficiency
; FILE REFERENCE: P-UX 5006
; CURRENT APPLICATION NUMBER: US/09/958,053
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: DE 199 15 485.6
; PRIOR FILING DATE: 1999-04-07
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 24
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```

;
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: S100A12
;
; US-09-958-053-24
;
; Query Match 100.0%; Score 468; DB 23; Length 92;
; Best Local Similarity 100.0%; Pred. No. 1.7e-44;
; Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 MTKLEHLEIGIVNIFHOYSVRKGHPDLSKGLKQLTKRELANTIKNIKRAVIDEIFQG 60
; DB 1 MTKLEHLEIGIVNIFHOYSVRKGHPDLSKGLKQLTKRELANTIKNIKRAVIDEIFQG 60
;
; QY 61 LDANODEQVDFQEFISLVATLAKAAHYHTHKE 92
; DB 61 LDANODEQVDFQEFISLVATLAKAAHYHTHKE 92
;
; RESULT 6
; US-09-760-443-1495
; Sequence 1495, Application US/09760443
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P212
; CURRENT APPLICATION NUMBER: US/09/760,443
; CURRENT FILING DATE: 2001-01-16
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2164
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1495
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
;
; US-09-760-443-1495
;
; Query Match 100.0%; Score 468; DB 21; Length 95;
; Best Local Similarity 100.0%; Pred. No. 1.8e-44;
; Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 MTKLEHLEIGIVNIFHOYSVRKGHPDLSKGLKQLTKRELANTIKNIKRAVIDEIFQG 60
; DB 4 MTKLEHLEIGIVNIFHOYSVRKGHPDLSKGLKQLTKRELANTIKNIKRAVIDEIFQG 63
;
; QY 61 LDANODEQVDFQEFISLVATLAKAAHYHTHKE 92
; DB 64 LDANODEQVDFQEFISLVATLAKAAHYHTHKE 95
;
; RESULT 7
; US-09-760-457-432
; Sequence 432, Application US/09760457
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P215
; CURRENT APPLICATION NUMBER: US/09/760,457
; CURRENT FILING DATE: 2001-01-16
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 601
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 432
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
;
; US-09-760-457-432
;
; Query Match 100.0%; Score 468; DB 21; Length 95;
; Best Local Similarity 100.0%; Pred. No. 1.8e-44;
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REFERENCE/DOCKET NUMBER: 325800-473  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 92 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-US95-16871-2

Query Match 100.0%; Score 468; DB 1; Length 92;  
Best Local Similarity 100.0%; Pred. No. 1.7e-44;  
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTKLEHLEGIYVIFHOYSVRKGFDTLSKGLKOLLTKELANTIKINIKDKAVIDEIFOG 60  
DB 1 MTKLEHLEGIYVIFHOYSVRKGFDTLSKGLKOLLTKELANTIKINIKDKAVIDEIFOG 60  
QY 61 LDANODEQVDFEFLISVAIALKAHYHTHKE 92  
DB 61 LDANODEQVDFEFLISVAIALKAHYHTHKE 92

RESULT 2  
US-08-759-913-1

Sequence 1, Application US/08759913  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Hillman, Jennifer L.  
TITLE OF INVENTION: NOVEL HUMAN S100 PROTEINS  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: US  
ZIP: 94304

*Abundant*

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/759,913  
FILING DATE: Filed Herewith  
PRIOR APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0172 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-845-0555  
TELEFAX: 415-845-4166  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 92 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
IMMEDIATE SOURCE:  
CLONE: Consensus  
US-08-759-913-1

Query Match 100.0%; Score 468; DB 1; Length 92;

Best Local Similarity 100.0%; Pred. No. 1.7e-44;  
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTKLEHLEGIYVIFHOYSVRKGFDTLSKGLKOLLTKELANTIKINIKDKAVIDEIFOG 60  
DB 1 MTKLEHLEGIYVIFHOYSVRKGFDTLSKGLKOLLTKELANTIKINIKDKAVIDEIFOG 60  
QY 61 LDANODEQVDFEFLISVAIALKAHYHTHKE 92  
DB 61 LDANODEQVDFEFLISVAIALKAHYHTHKE 92

RESULT 3  
US-08-761-289-2

Sequence 2, Application US/08761289  
GENERAL INFORMATION:  
APPLICANT: NI, J., ET AL.  
TITLE OF INVENTION: Human Chemotactic Cytokine I  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEHART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS

SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/761,289

FILING DATE: December 6, 1996

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/008387

FILING DATE: December 8, 1995

ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-506 (PF210)

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 92 AMINO ACIDS  
TYPE: AMINO ACID

STRANDEDNESS:  
TOPOLOGY: LINEAR

MOLECULE TYPE: PROTEIN  
US-08-761-289-2

Query Match 100.0%; Score 468; DB 1; Length 92;  
Best Local Similarity 100.0%; Pred. No. 1.7e-44;  
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTKLEHLEGIYVIFHOYSVRKGFDTLSKGLKOLLTKELANTIKINIKDKAVIDEIFOG 60  
DB 1 MTKLEHLEGIYVIFHOYSVRKGFDTLSKGLKOLLTKELANTIKINIKDKAVIDEIFOG 60  
QY 61 LDANODEQVDFEFLISVAIALKAHYHTHKE 92  
DB 61 LDANODEQVDFEFLISVAIALKAHYHTHKE 92

RESULT 4  
US-09-227-854-2  
Sequence 2, Application US/09227854  
GENERAL INFORMATION:



PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 21 September 2000 (21.09.00)  
PRIOR APPLICATION NUMBER: US 09/608,408  
PRIOR FILING DATE: 30 June 2000 (30.06.00)  
NUMBER OF SEQ ID NOS: 29119  
SOFTWARE: Molecular Dynamics Sequence Listing Engine  
SEQ ID NO 28051  
LENGTH: 46  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC011666.18  
FEATURE:  
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3  
FEATURE:  
OTHER INFORMATION: EST\_HUMAN HIT: AV715719.1, EVALUE 1.00e-19  
FEATURE:  
OTHER INFORMATION: SWISSPROT HIT: P80511, EVALUE 1.00e-20  
US-10-182-995-28051

Query Match 50.0%; Score 234; DB 6; Length 46;  
Best Local Similarity 100.0%; Pred. No. 2.2e-17;  
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTKLEHLEIGIVNIFHOYSVRKGHFDLTSKGLKOLLTKELANTIK 46  
DB 1 MTKLEHLEIGIVNIFHOYSVRKGHFDLTSKGLKOLLTKELANTIK 46

RESULT 15  
US-10-203-134-37220  
Sequence 37220, Application US/10203134  
GENERAL INFORMATION:  
APPLICANT: Molecular Dynamics, Inc.  
APPLICANT: Penn. Sharron G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: PB 0004 WO 6  
CURRENT APPLICATION NUMBER: US/10/203,134  
CURRENT FILING DATE: 2002-08-02  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 04 February 2000 (04.02.00)  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 26 May 2000 (26.05.00)  
PRIOR APPLICATION NUMBER: US 09/652,366  
PRIOR FILING DATE: 03 August 2000 (03.08.00)  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 03 October 2000 (03.10.00)  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 27 September 2000 (27.09.00)  
PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 21 September 2000 (21.09.00)  
PRIOR APPLICATION NUMBER: US 09/608,408  
PRIOR FILING DATE: 30 June 2000 (30.06.00)  
NUMBER OF SEQ ID NOS: 38628  
SOFTWARE: Molecular Dynamics Sequence Listing Engine  
SEQ ID NO 37220  
LENGTH: 46  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC011666.18  
FEATURE:  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 7.1  
FEATURE:  
OTHER INFORMATION: EST\_HUMAN HIT: AV715719.1, EVALUE 1.00e-19  
FEATURE:  
OTHER INFORMATION: SWISSPROT HIT: P80511, EVALUE 1.00e-20  
US-10-203-134-37220

Query Match 50.0%; Score 234; DB 6; Length 46;  
Best Local Similarity 100.0%; Pred. No. 2.2e-17;  
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTKLEHLEIGIVNIFHOYSVRKGHFDLTSKGLKOLLTKELANTIK 46  
DB 1 MTKLEHLEIGIVNIFHOYSVRKGHFDLTSKGLKOLLTKELANTIK 46

Search completed: September 11, 2002, 08:34:52  
Job time: 348 sec



SEQ ID NO 101828  
LENGTH: 91  
TYPE: PRT  
ORGANISM: Sus scrofa  
US-09-791-537-101828

Query Match 70.9%; Score 332; DB 5; Length 91;  
Best Local Similarity 70.3%; Pred. No. 3e-27;  
Matches 64; Conservative 10; Mismatches 17; Indels 0; Gaps 0;

QY 2 TKLEEHGIVNIFHOYSVRKGHDTLSKGLTKELANTIKNKDAVIDEIOGL 61  
DB 1 TKLEHDEGLINIFHOYSVRGHDVLNKLRELKOLITKELPTLNKTKDOGTIDIKIFOL 60

QY 62 DANODEQVDFEFTSLVAIALKAHYHTHKE 92  
DB 61 DANODEQVSFEFVLTVDLTITAHDNHKE 91

RESULT 11  
US-09-791-537-99618  
Sequence 99618, Application US/09791537

GENERAL INFORMATION:  
APPLICANT: Biomomix, Inc.  
APPLICANT: Debe, Derek  
APPLICANT: Danzer, Joseph  
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB  
FILE REFERENCE: 261/210  
CURRENT APPLICATION NUMBER: US/09/791,537  
CURRENT FILING DATE: 2001-02-22  
NUMBER OF SEQ ID NOS: 153055  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 99618  
LENGTH: 92  
TYPE: PRT  
ORGANISM: Bos taurus  
US-09-791-537-99618

Query Match 68.2%; Score 319; DB 5; Length 92;  
Best Local Similarity 66.3%; Pred. No. 6.8e-26;  
Matches 61; Conservative 13; Mismatches 18; Indels 0; Gaps 0;

QY 1 MTKLEHDEGLINIFHOYSVRKGHDTLSKGLTKELANTIKNKDAVIDEIOGL 60  
DB 1 MTKLEHDEGLINIFHOYSVRGHDVLNKLRELKOLITKELPTLNKTKDOGTIDIKIFOL 60

QY 61 LDANODEQVDFEFTSLVAIALKAHYHTHKE 92  
DB 61 LDADKDAVSFEFVLTVDLTITAHDNHKE 92

RESULT 12  
US-09-791-537-13830  
Sequence 13830, Application US/09791537

GENERAL INFORMATION:  
APPLICANT: Biomomix, Inc.  
APPLICANT: Debe, Derek  
APPLICANT: Danzer, Joseph  
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB  
FILE REFERENCE: 261/210  
CURRENT APPLICATION NUMBER: US/09/791,537  
CURRENT FILING DATE: 2001-02-22  
NUMBER OF SEQ ID NOS: 153055  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 13830  
LENGTH: 81  
TYPE: PRT  
ORGANISM: Oryctolagus cuniculus  
US-09-791-537-13830

Query Match 58.3%; Score 273; DB 5; Length 81;  
Best Local Similarity 64.2%; Pred. No. 3.7e-21;  
Matches 52; Conservative 12; Mismatches 17; Indels 0; Gaps 0;

QY 12 VNIFHOYSVRKGHDTLSKGLTKELANTIKNKDAVIDEIOGLDANODEQVDF 71  
DB 1 INFHOYSVRGHDVLNKLRELKOLITKELPTLNKTKDOGTIDIKIFOL 60

QY 72 QEFISLVAIALKAHYHTHKE 92  
DB 61 KEFLISLVAISLVTAHENEHKE 81

RESULT 13  
US-09-791-537-138681  
Sequence 138681, Application US/09791537

GENERAL INFORMATION:  
APPLICANT: Biomomix, Inc.  
APPLICANT: Debe, Derek  
APPLICANT: Danzer, Joseph  
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB  
FILE REFERENCE: 261/210  
CURRENT APPLICATION NUMBER: US/09/791,537  
CURRENT FILING DATE: 2001-02-22  
NUMBER OF SEQ ID NOS: 153055  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 138681  
LENGTH: 70  
TYPE: PRT  
ORGANISM: Bos taurus  
US-09-791-537-138681

Query Match 53.0%; Score 248; DB 5; Length 70;  
Best Local Similarity 68.6%; Pred. No. 1.3e-18;  
Matches 48; Conservative 10; Mismatches 12; Indels 0; Gaps 0;

QY 2 TKLEHDEGLINIFHOYSVRKGHDTLSKGLTKELANTIKNKDAVIDEIOGL 61  
DB 1 TKLEHDEGLINIFHOYSVRGHDVLNKLRELKOLITKELPTLNKTKDOGTIDIKIFOL 60

QY 62 DANODEQVDF 71  
DB 61 DADKKAQVF 70

RESULT 14  
US-10-182-995-28051  
Sequence 28051, Application US/10182995

GENERAL INFORMATION:  
APPLICANT: Molecular Dynamics, Inc.  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wensheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL  
FILE REFERENCE: PB 0004 WO 1  
CURRENT APPLICATION NUMBER: US/10/182,995  
CURRENT FILING DATE: 2002-08-02  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 04 February 2000 (04.02.00)  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 26 May 2000 (26.05.00)  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 03 August 2000 (03.08.00)  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 03 October 2000 (03.10.00)  
PRIOR APPLICATION NUMBER: US 60/226,359  
PRIOR FILING DATE: 27 September 2000 (27.09.00)

;; CURRENT APPLICATION NUMBER: US/10/212,054  
;; CURRENT FILING DATE: 2002-08-06  
;; NUMBER OF SEQ. ID NOS: 2164  
;; Prior application removed - See File Wrapper or Palm  
;; SOFTWARE: Patentln Ver. 2.0  
;; SEQ ID NO 1495  
;; LENGTH: 95  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-212-054-1495

Query Match 100.0%; Score 468; DB 6; Length 95;  
Best Local Similarity 100.0%; Pred. No. 2e-41;  
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTKLEHLEGIIVNFHOYSVRKGFDTLSKGLKQLTKELANTIKNIKRAVIDEITFOG 60  
DB 4 MTKLEHLEGIIVNFHOYSVRKGFDTLSKGLKQLTKELANTIKNIKRAVIDEITFOG 63

QY 61 LDANODEQVDFQEFISLVAIALKAHYHTHKE 92  
DB 64 LDANODEQVDFQEFISLVAIALKAHYHTHKE 95

RESULT 7  
US-10-217-527-432  
;; Sequence 432, Application US/10217527  
;; GENERAL INFORMATION:  
;; APPLICANT: Rosen et al.  
;; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
;; FILE REFERENCE: P0215C1N  
;; CURRENT APPLICATION NUMBER: US/10/217,527  
;; CURRENT FILING DATE: 2002-08-14  
;; Prior Application removed - See File Wrapper or Palm  
;; NUMBER OF SEQ ID NOS: 601  
;; SOFTWARE: Patentln Ver. 2.0  
;; SEQ ID NO 432  
;; LENGTH: 95  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-217-527-432

Query Match 100.0%; Score 468; DB 6; Length 95;  
Best Local Similarity 100.0%; Pred. No. 2e-41;  
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTKLEHLEGIIVNFHOYSVRKGFDTLSKGLKQLTKELANTIKNIKRAVIDEITFOG 60  
DB 4 MTKLEHLEGIIVNFHOYSVRKGFDTLSKGLKQLTKELANTIKNIKRAVIDEITFOG 63

QY 61 LDANODEQVDFQEFISLVAIALKAHYHTHKE 92  
DB 64 LDANODEQVDFQEFISLVAIALKAHYHTHKE 95

RESULT 8  
US-09-791-537-132106  
;; Sequence 132106, Application US/09791537  
;; GENERAL INFORMATION:  
;; APPLICANT: Bionomix, Inc.  
;; APPLICANT: Debe, Derek  
;; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB  
;; TITLE OF INVENTION: METHODS OF USE THEREOF  
;; FILE REFERENCE: 261/210  
;; CURRENT APPLICATION NUMBER: US/09/791,537  
;; CURRENT FILING DATE: 2001-02-22  
;; NUMBER OF SEQ ID NOS: 153055  
;; SOFTWARE: Patentln version 3.0  
;; SEQ ID NO 132106  
;; LENGTH: 91

;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-09-791-537-132106

Query Match 98.9%; Score 463; DB 5; Length 91;  
Best Local Similarity 100.0%; Pred. No. 6.4e-41;  
Matches 91; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TKLEHLEGIIVNFHOYSVRKGFDTLSKGLKQLTKELANTIKNIKRAVIDEITFOG 61  
DB 1 TKLEHLEGIIVNFHOYSVRKGFDTLSKGLKQLTKELANTIKNIKRAVIDEITFOG 60

QY 62 DANODEQVDFQEFISLVAIALKAHYHTHKE 92  
DB 61 DANODEQVDFQEFISLVAIALKAHYHTHKE 91

RESULT 9  
US-10-030-937-21  
;; Sequence 21, Application US/10030937  
;; GENERAL INFORMATION:  
;; APPLICANT: ROECKLIN, Dominique  
;; APPLICANT: KOLBE, Hanno  
;; APPLICANT: CHARLES, Marie-Helene  
;; APPLICANT: MALCUS, Carine  
;; APPLICANT: SANTORO, Lyse  
;; APPLICANT: PERRON, Hervé  
;; TITLE OF INVENTION: USE OF A POLYPEPTIDE FOR DETECTING, PREVENTING OR TREATIN  
;; TITLE OF INVENTION: CONDITION ASSOCIATED WITH A DEGENERATIVE, NEUROLOGICAL O  
;; FILE REFERENCE: 111664  
;; CURRENT APPLICATION NUMBER: US/10/030,937  
;; CURRENT FILING DATE: 2002-07-01  
;; PRIOR APPLICATION NUMBER: PCT/EP00/02057  
;; PRIOR FILING DATE: 2000-07-17  
;; PRIOR APPLICATION NUMBER: FR9909372  
;; PRIOR FILING DATE: 1999-07-15  
;; NUMBER OF SEQ ID NOS: 75  
;; SOFTWARE: Patentln Ver. 2.1  
;; SEQ ID NO 21  
;; LENGTH: 91  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-030-937-21

Query Match 98.9%; Score 463; DB 6; Length 91;  
Best Local Similarity 100.0%; Pred. No. 6.4e-41;  
Matches 91; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TKLEHLEGIIVNFHOYSVRKGFDTLSKGLKQLTKELANTIKNIKRAVIDEITFOG 61  
DB 1 TKLEHLEGIIVNFHOYSVRKGFDTLSKGLKQLTKELANTIKNIKRAVIDEITFOG 60

QY 62 DANODEQVDFQEFISLVAIALKAHYHTHKE 92  
DB 61 DANODEQVDFQEFISLVAIALKAHYHTHKE 91

RESULT 10  
US-09-791-537-101828  
;; Sequence 101828, Application US/09791537  
;; GENERAL INFORMATION:  
;; APPLICANT: Bionomix, Inc.  
;; APPLICANT: Danzer, Joseph  
;; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMIT  
;; TITLE OF INVENTION: METHODS OF USE THEREOF  
;; FILE REFERENCE: 261/210  
;; CURRENT APPLICATION NUMBER: US/09/791,537  
;; CURRENT FILING DATE: 2001-02-22  
;; NUMBER OF SEQ ID NOS: 153055  
;; SOFTWARE: Patentln version 3.0

US-10-077-600-2

Query Match	100.0%;	Score 468;	DB 6;	Length 92;
Best Local Similarity	100.0%;	Pred. No. 1.9e-41;		
Matches 92;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy 1 MTKEEHLEGIIVNIFHQYSVRKGFDTLSGELKQLTTELANTIKNIDKAVIDEIFQG 600  
 |||||  
 Db 1 MTKEEHLEGIIVNIFHQYSVRKGFDTLSGELKQLTTELANTIKNIDKAVIDEIFQG 600

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Qy      61 LDANQDEQVDFQEFISLVAIALKAHYHTHKE 92
        |||||
Db      61 LDANQDEQVDFQEFISLVAIALKAHYHTHKE 92

```

RESULT 3  
US-10-030-937-19  
; Sequence 19, Application US/10030937

APPLICANT: ROECKLIN, Dominique  
 APPLICANT: KOLBE, Hanno  
 APPLICANT: CHARLES, Marie-Helene  
 APPLICANT: MALCUS, Carine  
 APPLICANT: SANTORO, Lyse  
 APPLICANT: PERRON, Heve  
 TITLE OF INVENTION: USE OF A POLYPEPTIDE FOR DETECTING, PREVENTING OR TREATING A PATHOLOGICAL DISEASE  
 TITLE OF INVENTION: CONDITION ASSOCIATED WITH A DEGENERATIVE, NEUROLOGICAL OR AUTOIMMUNE DISEASE  
 FILE REFERENCE: 111664  
 CURRENT APPLICATION NUMBER: US/10/030,937  
 CURRENT FILING DATE: 2002-07-01  
 PRIOR APPLICATION NUMBER: PCT/FR00/02057  
 PRIOR FILING DATE: 2000-07-17  
 PRIOR APPLICATION NUMBER: FR9909372  
 PRIOR FILING DATE: 1999-07-15  
 NUMBER OF SEQ ID NOS: 75  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 19  
 LENGTH: 92  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 GS-10-030-937-19

Query Match	100.0%;	Score 468;	DB 6;	Length 92;
Best Local Similarity	100.0%;	Pred. No. 1.9e-41;		
Matches 92;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

```
OY      1 MTKLEHLEGIVNI FHOYSVRKGHDLSLGGELKQLITKELANTIKNIKDAVIDEIFQG 600
       |||||
Db      1 MTKLEHLEGIVNIFHOYSVRKGHDLSLGGELKQLITKELANTIKNIKDAVIDEIFQG 600
```

```
QY      61 LDANODEQVDFQEFISLVAIALKAHHTTKE 92
        |||||
Db       61 LDANODEQVDFQEFISLVAIALKAHHTTKE 92
```

RESULT 4  
US-10-030-937-20  
; Sequence 20, Application US/10030937  
Journal reproduction

1 APPLICANT: ROECKLIN, Dominique  
 2 APPLICANT: KOLBE, Hanno  
 3 APPLICANT: CHARLES, Marie-Helene  
 4 APPLICANT: MALCUS, Carline  
 5 APPLICANT: SANTORO, Lyse  
 6 APPLICANT: PERRON, Heve  
 7 TITLE OF INVENTION: USE OF A POLYPEPTIDE FOR DETECTING, PREVENTING OR TREATING A PATHOLOGICAL  
 8 TITLE OF INVENTION: CONDITION ASSOCIATED WITH A DEGENERATIVE, NEUROLOGICAL OR AUTOIMMUNE  
 9 FILE REFERENCE: 111664  
 10 CURRENT APPLICATION NUMBER: US/10/030,937  
 11 CURRENT FILING DATE: 2002-07-01  
 12 PRIOR APPLICATION NUMBER: PCT/FR00/02057

```

; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: FR9909372
; PRIOR FILING DATE: 1999-07-15
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1

```

Query Match	100.0%	Score 468	DB 6	Length 92
Best Local Similarity	100.0%	Pred. No. 1.9e-41		
Matches 92; Conservative	0	Mismatches	0	Indels 0; Gaps 0

QY 1 MTKLEEHLEGIIVNIFHQYSVRKGHFDLTSKLGELKQLLTRELANTIKNIDKDAVIDEIFQG 600

Db 1 MTKLEEHLEGIIVNIFHQYSVRKGHFDLTSKLGELKQLLTRELANTIKNIDKDAVIDEIFQG 600

```
Qy      61 LDANQDEQVDFQEFISLVAIALKAHYHTHKE 92
        |||||||
Db      61 LDANQDEQVDFQEFISLVAIALKAHYHTHKE 92
```

RESULT 5  
US-10-030-937-23  
; Sequence 23, Application US/10030937

APPLICANT: ROECKLIN, Dominique  
 APPLICANT: KOLBE, Hanno  
 APPLICANT: CHARLES, Marie-Helene  
 APPLICANT: MALCUS, Carine  
 APPLICANT: SANTORO, Lyse  
 APPLICANT: PERRON, Hevve  
 TITLE OF INVENTION: USE OF A POLYPEPTIDE FOR DETECTING, PREVENTING OR TREATING  
 TITLE OF INVENTION: CONDITION ASSOCIATED WITH A DEGENERATIVE, NEUROLOGICAL OR  
 FILE REFERENCE: 111664  
 CURRENT APPLICATION NUMBER: US/10/030,937  
 CURRENT FILING DATE: 2002-07-01  
 PRIOR APPLICATION NUMBER: PCT/FR00/02057  
 PRIOR FILING DATE: 2000-07-17  
 PRIOR APPLICATION NUMBER: FR9909372  
 PRIOR FILING DATE: 1999-07-15  
 NUMBER OF SEQ ID NOS: 75  
 SOFTWARE: Patentln Ver. 2.1  
 SEQ ID NO: 23  
 LENGTH: 92  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-030-937-23

Query Match	100.0%	Score 468;	DB 6;	Length 92;
Best Local Similarity	100.0%;	Pred. No. 1.9e-41;		
Matches	92;	Conservative	0;	Mismatches 0;
			Indels	0;
			Gaps	0

Qy 1 MTKIEEHLEGIIVNIFHQYSVRKGFDTLSGELKQLLTKELANTIKNIKDAVIDEIFQG 66  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 Db 1 MTKIEEHLEGIIVNIFHQYSVRKGFDTLSGELKQLLTKELANTIKNIKDAVIDEIFQG 66

```
QY      61 LDANQDEQVDQFEFISLVAIALKAAHYHTHKE 92
        |||||||
Db      61 LDANQDEQVDQFEFISLVAIALKAAHYHTHKE 92
```

RESULT 6  
US-10-212-054-1495  
; Sequence 1495, Application US/10212054

APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PJ212CIN

GenCore version 4.5  
Copyright (c) 1993 - 2000 CompuGen Ltd.

# OM protein - protein search, using sw model

Run on: September 11, 2002, 08:29:04 ; Search time 35.13 Seconds  
(without alignments)  
693,680 Million cell updates/sec

Title: US-09-227-854-2  
Perfect score: 468  
Sequence: 1 MKLEEHLEGIYVIFHOYSV.....EFISLVAIALKAHYHTHKE 92

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 912340 seqs, 264880347 residues

Total number of hits satisfying chosen parameters: 912340

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 08  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending Patents, AA, New: \*  
1: /cgn2\_6/prodata/1/paa/PCT\_NEW\_COMB.pep: \*  
2: /cgn2\_6/prodata/1/paa/US06\_NEW\_COMB.pep: \*  
3: /cgn2\_6/prodata/1/paa/US07\_NEW\_COMB.pep: \*  
4: /cgn2\_6/prodata/1/paa/US08\_NEW\_COMB.pep: \*  
5: /cgn2\_6/prodata/1/paa/US09\_NEW\_COMB.pep: \*  
6: /cgn2\_6/prodata/1/paa/US10\_NEW\_COMB.pep: \*  
7: /cgn2\_6/prodata/1/paa/US60\_NEW\_COMB.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	468	100.0	92	5	US-09-791-537-137536
2	468	100.0	92	6	US-10-077-600-2
3	468	100.0	92	6	US-10-030-937-19
4	468	100.0	92	6	US-10-030-937-20
5	468	100.0	92	6	US-10-030-937-23
6	468	100.0	95	6	US-10-212-054-1495
7	468	100.0	95	6	US-10-217-527-432
8	463	98.9	91	5	US-09-791-537-132106
9	463	98.9	91	6	US-10-030-937-21
10	332	70.9	91	5	US-09-791-537-101828
11	319	68.2	92	5	US-09-791-537-99618
12	273	58.3	81	5	US-09-791-537-13830
13	248	53.0	70	5	US-09-791-537-138681
14	234	50.0	46	6	US-10-182-995-28051
15	234	50.0	46	6	US-10-203-134-37220
16	234	50.0	46	6	US-10-203-136-37227
17	234	50.0	46	6	US-10-182-993-36198
18	234	50.0	46	6	US-10-203-135-35692
19	234	50.0	46	6	US-10-203-137-37290
20	234	50.0	46	6	US-10-203-139-3818
21	228.5	48.8	122	5	US-09-791-537-120880
22	226.5	48.4	122	5	US-09-791-537-139803
23	214.5	45.8	114	5	US-09-791-537-22162
24	214.5	45.8	114	6	US-10-134-841-4
25	214.5	45.8	114	6	US-10-030-937-17
26	214.5	45.8	114	6	US-10-131-410-146

27	212.5	45.4	119	6	US-10-212-054-1060	Sequence 1060, App
28	212.5	45.4	119	6	US-10-212-778-768	Sequence 768, App
29	212.5	45.4	119	6	US-10-217-527-328	Sequence 328, App
30	210	44.9	119	5	US-09-791-537-124512	Sequence 124512, App
31	206.5	44.1	114	5	US-09-791-537-139538	Sequence 139538, App
32	204	43.6	115	6	US-10-030-937-75	Sequence 75, App
33	201.5	43.1	118	5	US-09-791-537-13822	Sequence 13822, A
34	194	41.5	95	5	US-09-791-537-138340	Sequence 138340, A
35	190	40.6	92	5	US-09-791-537-137477	Sequence 137477, A
36	190	40.6	92	5	US-09-791-537-137727	Sequence 137727, A
37	189	40.4	92	5	US-09-791-537-138303	Sequence 138303, A
38	189	40.4	92	5	US-09-791-537-138923	Sequence 138923, A
39	189	40.4	125	6	US-10-212-054-863	Sequence 863, App
40	189	40.4	125	6	US-10-217-527-261	Sequence 261, App
41	188	40.2	91	5	US-09-791-537-151224	Sequence 151224, A
42	188	40.2	92	5	US-09-791-537-137682	Sequence 137682, A
43	187	40.0	92	5	US-09-791-537-137459	Sequence 137459, A
44	187	40.0	97	1	PCT-US02-09944-507	Sequence 507, App
45	185	39.5	88	5	US-09-791-537-105345	Sequence 105345, App

## ALIGNMENTS

RESULT 1	US-09-791-537-137536	US-10-077-600-2
Sequence 137536, Application US/09791537		
GENERAL INFORMATION:		
APPLICANT: Biocomitx, Inc.		
APPLICANT: Debe, Derek		
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMIT		
FILE REFERENCE: 261/210		
CURRENT APPLICATION NUMBER: US/09791, 537		
CURRENT FILING DATE: 2001-02-22		
NUMBER OF SEQ ID NOS: 153055		
SOFTWARE: PatentIn version 3.0		
SEQ ID NO 137536		
LENGTH: 92		
TYPE: PRT		
ORGANISM: Homo sapiens		
US-09-791-537-137536		
Query Match	100.0%	Score 468; DB 5; Length 92;
Best Local Similarity	100.0%	Pred. No. 1.9e-41;
Matches 92; Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
OY 1 MKLEEHLEGIYVIFHOYSVRKGFDTLSKGLKOLLTKELANTIKIKDKAVIDEIFOG 60		
DB 1 MKLEEHLEGIYVIFHOYSVRKGFDTLSKGLKOLLTKELANTIKIKDKAVIDEIFOG 60		
OY 61 LDANODEQVDFEFLSLVAIALKAHYHTHKE 92		
DB 61 LDANODEQVDFEFLSLVAIALKAHYHTHKE 92		
RESULT 2	US-10-077-600-2	
Sequence 2, Application US/10077600		
GENERAL INFORMATION:		
APPLICANT: Switch Biotech AG		
TITLE OF INVENTION: Method for diagnosis of inflammatory diseases using Caljara		
FILE REFERENCE: S3027405		
CURRENT APPLICATION NUMBER: US/10/077, 600		
CURRENT FILING DATE: 2002-06-14		
NUMBER OF SEQ ID NOS: 2		
SOFTWARE: PatentIn version 3.1		
SEQ ID NO 2		
LENGTH: 92		
TYPE: PRT		
ORGANISM: homo sapiens		

```

1  APPLICANT: Bandman, Olga
2  APPLICANT: Corley, Neil C.
3  APPLICANT: Lal, Preeti
4  APPLICANT: Shah, Purvi
5  TITLE OF INVENTION: HUMAN S100 PROTEINS
6  NUMBER OF SEQUENCES: 7
7  CORRESPONDENCE ADDRESS:
8  ADDRESSEE: Incyte Pharmaceuticals, Inc.
9  STREET: 3174 Porter Drive
10 CITY: Palo Alto
11 STATE: CA
12 COUNTRY: USA
13 ZIP: 94304
14 COMPUTER READABLE FORM:
15 MEDIUM TYPE: Diskette
16 COMPUTER: IBM Compatible
17 OPERATING SYSTEM: DOS
18 SOFTWARE: FASTSEQ for Windows Version 2.0
19 CURRENT APPLICATION DATA:
20 APPLICATION NUMBER: US/08/918,727
21 FILING DATE: Herewith
22 CLASSIFICATION: 435
23 PRIOR APPLICATION DATA:
24 APPLICATION NUMBER:
25 FILING DATE:
26 ATTORNEY/AGENT INFORMATION:
27 NAME: Billings, Lucy J.
28 REGISTRATION NUMBER: 36,749
29 REFERENCE/DOCKET NUMBER: PF-0373 US
30 TELECOMMUNICATION INFORMATION:
31 TELEPHONE: 650-855-0555
32 TELEFAX: 650-845-4166
33
34
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36
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Search completed: September 11, 2002, 08:30:14  
Job time: 110 sec

RESULT 15  
US-09-205-680A-7  
Sequence 7, Application US/09205680A  
Patent No. 6103497  
GENERAL INFORMATION:  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Bandman, Olga  
APPLICANT: Corley, Neil C.  
APPLICANT: Tal, Preeti  
APPLICANT: Shah, Puvi  
TITLE OF INVENTION: HUMAN S100 PROTEINS  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESS: Incyte Pharmaceuticals, Inc  
STREET: 3174 Porter Drive

OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/205.680A  
FILING DATE: Herewith  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Colette C. Muenzen  
REGISTRATION NUMBER: 39,784  
REFERENCE/DOCKET NUMBER: PF-0373 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 92 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 337730  
US-09-205-680A-5

Query Match 40.4%; Score 189; DB 3; Length 92;  
Best Local Similarity 39.5%; Pred. No. 1.2e-15;  
Matches 34; Conservative 26; Mismatches 26; Indels 0; Gaps 0;

OY 1 MTKLEHLEGIYINIHQSVKRGHDTLSKGLKOLLKRELANTIKNKDAVIDEIQG 60  
DB 1 MSELKAAVALIDVHQSREGDKHKLKSELKELINNELSHFLEIKEDVVDKVMET 60  
OY 61 LDANDEQVDFQEFISLVAIALKAAH 86  
DB 61 LDNDGDECDPQEFMAFVAMVTTACH 86

RESULT 12  
US-09-051-589-1  
Sequence 1, Application US/09051589  
Patent No. 5990080  
GENERAL INFORMATION:  
APPLICANT: HAGLID, Kenneth G.  
TITLE OF INVENTION: USE OF PROTEIN S-100B IN MEDICINES CONTAINING THE  
FILE REFERENCE: 003300-478  
CURRENT APPLICATION NUMBER: US/09/051.589  
CURRENT FILING DATE: 1998-04-15  
EARLIER APPLICATION NUMBER: SE 9503620-8  
EARLIER FILING DATE: 1995-10-17  
EARLIER APPLICATION NUMBER: PCT/SE96/01305  
EARLIER FILING DATE: 1996-10-15  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 92  
TYPE: PRT  
ORGANISM: Protein S-100b  
US-09-051-589-1

Query Match 40.0%; Score 187; DB 2; Length 92;  
Best Local Similarity 38.4%; Pred. No. 2e-15;  
Matches 33; Conservative 27; Mismatches 26; Indels 0; Gaps 0;

OY 1 MTKLEHLEGIYINIHQSVKRGHDTLSKGLKOLLKRELANTIKNKDAVIDEIQG 60  
DB 1 MSELKAAVALIDVHQSREGDKHKLKSELKELINNELSHFLEIKEDVVDKVMET 60

OY 61 LDANDEQVDFQEFISLVAIALKAAH 86  
DB 61 LDNDGDECDPQEFMAFVAMVTTACH 86

RESULT 13  
US-07-987-272A-11  
Sequence 11, Application US/07987272A  
Patent No. 5731166  
GENERAL INFORMATION:  
APPLICANT: Gecezy, C., Simpson, R. J. and Lackmann, M  
TITLE OF INVENTION: No. 5731166el Chemotactic Factor  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cushman Darby & Cushman  
STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower  
CITY: Washington  
STATE: D. C.  
COUNTRY: USA  
ZIP: 20005-3918  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/987,272A  
FILING DATE: 05-MAR-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: AU PK 2127  
FILING DATE: 05-FEB-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: AU PK 4463  
FILING DATE: 05-SEP-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Brinkman, David W  
REGISTRATION NUMBER: 20,817  
REFERENCE/DOCKET NUMBER: DMB/1925/200259  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-861 3000  
TELEFAX: 202-822 0944  
TELEX: 6714627 CUSH  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 91 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-987-272A-11

Query Match 39.3%; Score 184; DB 1; Length 91;  
Best Local Similarity 38.8%; Pred. No. 4.6e-15;  
Matches 33; Conservative 26; Mismatches 26; Indels 0; Gaps 0;

OY 2 TKELEHLEGIYINIHQSVKRGHDTLSKGLKOLLKRELANTIKNKDAVIDEIQG 61  
DB 1 MSELKAAVALIDVHQSREGDKHKLKSELKELINNELSHFLEIKEDVVDKVMET 60  
OY 62 DANDEQVDFQEFISLVAIALKAAH 86  
DB 61 DNDGDECDPQEFMAFVAMVTTACH 85

RESULT 14  
US-08-918-727-7  
Sequence 7, Application US/08918727  
Patent No. 5848528  
GENERAL INFORMATION:  
APPLICANT: Hillman, Jennifer L.

RESULT 9  
US-09-270-455-2  
Sequence 2, Application US/09270455  
Patent No. 6313267  
GENERAL INFORMATION:  
APPLICANT: HITOMI, JIRO  
APPLICANT: YAMAGUCHI, KEN  
APPLICANT: YAMAMURA, TOKUJIRO  
APPLICANT: KIMURA, TATSUJI  
TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: WYATT, GEMER, MELLER & O'ROURKE  
STREET: 99 PARK AVENUE  
STREET: 6th FLOOR  
CITY: NEW YORK CITY  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 Kb  
MEDIUM TYPE: STORAGE  
COMPUTER: IBM-PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS 6.2  
SOFTWARE: WORDPERFECT 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/270,455  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/566,310  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: KLEIN, MILTON  
REGISTRATION NUMBER: 27101  
REFERENCE/DOCKET NUMBER: 3316  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)953-3350  
TELEFAX: (212)953-3352  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 51  
TYPE: amino acid  
STRANDEDNESS: linear  
TOPOLOGY: linear  
PUBLICATION INFORMATION:  
RELEVANT RESIDUES IN SEQ ID NO: 2: FROM 1 TO 51  
US-09-270-455-2

Query Match 43.8%; Score 205; DB 4; Length 51;  
Best Local Similarity 76.0%; Pred. No. 6, 5e-18;  
Matches 38; Conservative 7; Mismatches 5; Indels 0; Gaps 0;

DB 2 TKLEHLEGIYNIFFHOYSVRKGHFDLTKSKELKQLTKELANTINKDK 51  
1 TKLEHLEGIYNIFFHOYSVRKGHFDLTKSKELKQLTKELANTINKDK 50

RESULT 10  
US-08-918-727-5  
Sequence 5, Application US/08918727  
Patent No. 5849528  
GENERAL INFORMATION:  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Bandman, Olga  
APPLICANT: Corley, Neil C.  
APPLICANT: Lal, Preeti  
APPLICANT: Shah, Puri  
TITLE OF INVENTION: HUMAN S100 PROTEINS  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSO for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/918,727  
FILING DATE: Herewith  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0373 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 92 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 337730  
US-08-918-727-5

Query Match 40.4%; Score 189; DB 2; Length 92;  
Best Local Similarity 39.5%; Pred. No. 1, 2e-15;  
Matches 34; Conservative 26; Mismatches 26; Indels 0; Gaps 0;

DB 1 MKLEHLEGIYNIFFHOYSVRKGHFDLTKSKELKQLTKELANTINKDKRAVIDEFG 60  
1 MSELKRAMVALIDVFFHOYSGREGDKHKLKSELSKELINNELSHFLSEIKOEYVVDKMET 60

DB 61 LDANODEQVDFORFISIVAAALKAH 86  
61 LDNDGDECDFOEFMAFVAAVTTACH 86

RESULT 11  
US-09-205-680A-5  
Sequence 5, Application US/09205680A  
Patent No. 6103497  
GENERAL INFORMATION:  
APPLICANT: Hillman, Jennifer L.  
APPLICANT: Bandman, Olga  
APPLICANT: Corley, Neil C.  
APPLICANT: Lal, Preeti  
APPLICANT: Shah, Puri  
TITLE OF INVENTION: HUMAN S100 PROTEINS  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible





COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB  
MEDIUM TYPE: STORAGE  
COMPUTER: IBM-PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS 6.2  
SOFTWARE: WORDPERFECT 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/568,310D  
FILING DATE: DECEMBER 6, 1995  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 7-70468 and 7-45564 (both Japan)  
FILING DATE: 3/6/95 and 3/6/95, respectively  
ATTORNEY/AGENT INFORMATION:  
NAME: KLEIN, MILTON  
REGISTRATION NUMBER: 27101  
REFERENCE/DOCKET NUMBER: 3316  
TELEPHONE: (212)953-3352  
TELEFAX: (212)953-3352  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 92  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
PUBLICATION INFORMATION:  
RELEVANT RESIDUES IN SEQ ID NO: 19:  
US-08-568-310D-19

Query Match 68.2%; Score 319; DB 2; Length 92;  
Best Local Similarity 66.3%; Pred. No. 2,8e-31;  
Matches 61; Conservative 13; Mismatches 18; Indels 0; Gaps 0;

QY 1 MTRLEHLEGIYVIFHGYSVRGHFDPLSKGELKQLITRELANTINIKDKAVIDEIFOG 60  
DB 1 MTRLEHLEGIYVIFHGYSVRGHFDPLSKGELKQLITRELANTINIKDKAVIDEIFOG 60  
QY 61 LDANODEOYVDFEFLSLVAIALKAHYHTHKE 92  
DB 61 LDADKDGAVSFEEFVLVSRLKTAHIDIHKE 92

## RESULT 5

US-09-270-455-19  
Sequence 19, Application US/09270455  
Patent No. 6313267  
GENERAL INFORMATION:  
APPLICANT: HITOMI, JIRO  
APPLICANT: YAMAGUCHI, KEN  
APPLICANT: YAMAMURA, TOKUJIRO  
APPLICANT: KIMURA, TATSUJI  
TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSER: WYATT, GERBER, MELLER & O'ROURKE  
STREET: 99 PARK AVENUE  
CITY: NEW YORK CITY  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB  
MEDIUM TYPE: STORAGE  
COMPUTER: IBM-PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS 6.2  
SOFTWARE: WORDPERFECT 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/270,455

FILING DATE:  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 08/568,310  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: KLEIN, MILTON  
REGISTRATION NUMBER: 27101  
REFERENCE/DOCKET NUMBER: 3316  
TELEPHONE: (212)953-3352  
TELEFAX: (212)953-3352  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 92  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
PUBLICATION INFORMATION:  
RELEVANT RESIDUES IN SEQ ID NO: 19:  
US-09-270-455-19

Query Match 68.2%; Score 319; DB 4; Length 92;  
Best Local Similarity 66.3%; Pred. No. 2,8e-31;  
Matches 61; Conservative 13; Mismatches 18; Indels 0; Gaps 0;

QY 1 MTRLEHLEGIYVIFHGYSVRGHFDPLSKGELKQLITRELANTINIKDKAVIDEIFOG 60  
DB 1 MTRLEHLEGIYVIFHGYSVRGHFDPLSKGELKQLITRELANTINIKDKAVIDEIFOG 60  
QY 61 LDANODEOYVDFEFLSLVAIALKAHYHTHKE 92  
DB 61 LDADKDGAVSFEEFVLVSRLKTAHIDIHKE 92

## RESULT 6

US-08-385-241-3  
Sequence 3, Application US/08385241  
Patent No. 5776348  
GENERAL INFORMATION:  
APPLICANT: Selengut Ph.D., Jeremy D.  
APPLICANT: Orme-Johnson Ph.D., William H.  
APPLICANT: Dretler M.D., Stephen P.  
APPLICANT: Asakura M.D., Hirofaka  
TITLE OF INVENTION: SYSTEM AND METHOD FOR INHIBITING  
FORMATION OF CRYSTALLINE STRUCTURES THAT INCLUDE STRUT  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Choate, Hall & Stewart  
STREET: 53 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109-2891  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/385,241  
FILING DATE:  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Heischbach Ph.D., Brenda M.  
REGISTRATION NUMBER: P-39,223  
REFERENCE/DOCKET NUMBER: 492611-000 (MIT6915)  
TELEPHONE: (617) 248-5175  
TELEFAX: (617) 248-4000  
INFORMATION FOR SEQ ID NO: 3:

Query Match 100.0%; Score 468; DB 2; Length 92;  
Best Local Similarity 100.0%; Pred. No. 3.6e-49;  
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MTKLEHLEGIVNIFHOYSVRKGFDTLSKGLKQLTKELANTIKNKDKAVIDEIFOG 60  
Db 1 MTKLEHLEGIVNIFHOYSVRKGFDTLSKGLKQLTKELANTIKNKDKAVIDEIFOG 60

OY 61 LDANODEQVDFEFLSLVAIALKAHYHTHKE 92  
Db 61 LDANODEQVDFEFLSLVAIALKAHYHTHKE 92

RESULT 2  
US-09-270-455-20  
Sequence 20, Application US/09270455  
Patent No. 6313267

GENERAL INFORMATION:

APPLICANT: HITOMI, JIRO

APPLICANT: YAMAGUCHI, KEN

APPLICANT: YAMAMURA, TOKUJIRO

TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS

NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:

ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE

STREET: 99 PARK AVENUE

CITY: NEW YORK CITY

STATE: NEW YORK

COUNTRY: USA

ZIP: 10016

COMPUTER READABLE FORM:

MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 Kb

MEDIUM TYPE: STORAGE

COMPUTER: IBM-PC COMPATIBLE

OPERATING SYSTEM: PC-DOS 6.2

SOFTWARE: WORDPERFECT 6.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/270,455

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/568,310

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: KLEIN, MILTON

REGISTRATION NUMBER: 27101

REFERENCE/DOCKET NUMBER: 3316

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212)953-3350

TELEFAX: (212)953-3352

INFORMATION FOR SEQ ID NO: 20:

SEQUENCE CHARACTERISTICS:

LENGTH: 92

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: CDNA

PUBLICATION INFORMATION:

RELEVANT RESIDUES IN SEQ ID NO: 20: FROM 1 TO 92

US-09-270-455-20

Query Match 100.0%; Score 468; DB 4; Length 92;  
Best Local Similarity 100.0%; Pred. No. 3.6e-49;  
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MTKLEHLEGIVNIFHOYSVRKGFDTLSKGLKQLTKELANTIKNKDKAVIDEIFOG 60  
Db 1 MTKLEHLEGIVNIFHOYSVRKGFDTLSKGLKQLTKELANTIKNKDKAVIDEIFOG 60

OY 61 LDANODEQVDFEFLSLVAIALKAHYHTHKE 92  
Db 61 LDANODEQVDFEFLSLVAIALKAHYHTHKE 92

RESULT 3  
US-08-794-000-2  
Sequence 2, Application US/08794000  
Patent No. 6087123

GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: Metal-Containing Ribonucleotide Polypeptides

NUMBER OF SEQUENCES: 4

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/794,000

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/DE96/01337

FILING DATE: 17-JUL-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: DE 195 25 992.0

FILING DATE: 17-JUL-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: DE 195 30 500.0

FILING DATE: 18-AUG-1995

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 91 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-794-000-2

Query Match 70.9%; Score 332; DB 3; Length 91;  
Best Local Similarity 70.3%; Pred. No. 7.7e-33;  
Matches 64; Conservative 10; Mismatches 17; Indels 0; Gaps 0;

OY 2 MTKLEHLEGIVNIFHOYSVRKGFDTLSKGLKQLTKELANTIKNKDKAVIDEIFOG 61  
Db 1 MTKLEHLEGIVNIFHOYSVRKGFDTLSKGLKQLTKELANTIKNKDKAVIDEIFOG 60

OY 62 DANODEQVDFEFLSLVAIALKAHYHTHKE 92  
Db 61 DANODEQVDFEFLSLVAIALKAHYHTHKE 91

RESULT 4  
US-08-568-310D-19  
Sequence 19, Application US/08568310D  
Patent No. 5976832

GENERAL INFORMATION:

APPLICANT: HITOMI, JIRO

APPLICANT: YAMAGUCHI, KEN

APPLICANT: YAMAMURA, TOKUJIRO

TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS

NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:

ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE

STREET: 99 PARK AVENUE

CITY: NEW YORK CITY

STATE: NEW YORK

COUNTRY: USA

ZIP: 10016

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## OM protein - protein search, using sw model

Run on: September 11, 2002, 08:28:24 ; Search time 13.11 Seconds

(without alignments)  
171,408 Million cell updates/sec

Title: US-09-227-854-2

Perfect score: 468  
Sequence: 1 MKLEEHLEGVNINHOYSV.....EFISLVIAIAKAAHYHTKE 92Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000Post-processing: Minimum Match 08  
Maximum Match 100%

Listing first 45 summaries

## Database :

1: /cgn2\_6/prodata/2/iaa/5A\_COMB.pep:\*  
2: /cgn2\_6/prodata/2/iaa/5B\_COMB.pep:\*  
3: /cgn2\_6/prodata/2/iaa/5A\_COMB.pep:\*  
4: /cgn2\_6/prodata/2/iaa/5B\_COMB.pep:\*  
5: /cgn2\_6/prodata/2/iaa/PCUTS\_COMB.pep:\*  
6: /cgn2\_6/prodata/2/iaa/Backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	468	100.0	92	2	US-08-568-310D-20
2	468	100.0	92	4	US-09-270-455-20
3	332	70.9	91	3	US-08-794-000-2
4	319	68.2	92	2	US-08-568-310D-19
5	319	68.2	92	4	US-09-270-455-19
6	214.5	45.8	114	1	US-08-385-241-3
7	209.5	44.8	109	1	US-07-987-272A-8
8	205	43.8	51	2	US-08-568-310D-2
9	205	43.8	51	2	US-09-270-455-2
10	189	40.4	92	2	US-08-918-727-5
11	189	40.4	92	3	US-09-205-680A-5
12	187	40.0	92	2	US-09-051-589-1
13	184	39.3	91	1	US-07-987-272A-11
14	180.5	38.6	113	2	US-08-918-727-7
15	180.5	38.6	113	3	US-09-205-680A-7
16	158	33.8	93	1	US-07-987-272A-7
17	158	33.8	93	1	US-07-987-272A-16
18	158	33.8	93	1	US-08-385-241-1
19	157.5	33.7	101	1	US-08-190-560-2
20	157.5	33.7	101	1	US-08-469-227-2
21	157.5	33.7	101	2	US-08-468-946-2
22	157.5	33.7	101	2	US-08-468-946-2
23	157	33.5	105	2	US-08-918-727-6
24	157	33.5	105	3	US-09-205-680A-6
25	154	32.9	88	1	US-07-987-272A-1
26	154	32.9	89	1	US-07-987-272A-14
27	153.5	32.8	97	1	US-07-662-198B-2

28	147.5	31.5	89	1	US-07-987-272A-10
29	138	29.5	50	1	US-08-200-016-5
30	137.5	29.4	98	2	US-08-918-727-3
31	137.5	29.4	98	3	US-09-205-680A-3
32	137.5	29.4	98	3	US-09-205-680A-3
33	135	28.8	76	1	US-07-987-272A-17
34	127.5	27.2	95	1	US-07-987-272A-9
35	124	26.5	75	1	US-07-987-272A-12
36	113.5	24.3	101	1	US-08-469-486-58
37	113.5	24.3	101	2	US-08-469-486-58
38	106	22.6	1898	1	US-08-056-200-94
39	106	22.6	1898	2	US-08-800-644-94
40	105.5	22.5	103	2	US-08-918-727-1
41	105.5	22.5	103	3	US-09-205-680A-1
42	103	22.0	45	1	US-08-056-200-105
43	103	22.0	45	2	US-08-800-644-105
44	101	21.6	104	3	US-09-048-889-5
45	95	20.3	45	1	US-08-056-200-97

## ALIGNMENTS

RESULT 1  
US-08-568-310D-20  
Sequence 20, Application US/08568310D  
Patent No. 5976832

GENERAL INFORMATION:  
APPLICANT: HITOMI, JIRO  
APPLICANT: YAMAGUCHI, KEN  
APPLICANT: YAMAMURA, TOKUJIRO  
APPLICANT: KIMURA, TATSUJI  
TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE  
STREET: 99 PARK AVENUE  
STREET: 6th FLOOR  
CITY: NEW YORK CITY  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB  
MEDIUM TYPE: STORAGE  
COMPUTER: IBM-PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS 6.2  
SOFTWARE: WORDPERFECT 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/568, 310D  
FILING DATE: DECEMBER 6, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 7-70468 and 7-45564 (both Japan)  
FILING DATE: 3/6/95 and 3/6/95, respectively  
ATTORNEY/AGENT INFORMATION:  
NAME: KLEIN, MILTON  
REGISTRATION NUMBER: 27101  
REFERENCE/DOCKET NUMBER: 3316  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)953-3350  
TELEFAX: (212)953-3352  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 92  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
PUBLICATION INFORMATION:  
RELEVANT RESIDUES IN SEQ ID NO: 20:  
RELEVANT RESIDUES IN SEQ ID NO: FROM 1 TO 92  
US-08-568-310D-20